

Title (en)
Continuous wire galvanizing method and corresponding galvanizing machine

Title (de)
Durchgehendes Drahtgalvanisierverfahren und entsprechende Galvanisiermaschine

Title (fr)
Procédé continu de galvanisation de fils et machine de galvanisation correspondante

Publication
EP 2281912 B1 20120509 (EN)

Application
EP 10170263 A 20100721

Priority
ES 200930568 A 20090806

Abstract (en)
[origin: EP2281912A1] Continuous wire galvanizing method for at least one wire that comprises the stages of cleaning wire (3), induction heating to a first temperature, cooling to a second lower temperature, galvanizing and draining, with said heating, cooling and galvanizing stages being carried out independently and separately for each of said wires (3) in an inert atmosphere. In the cleaning stage, wire (3) passes through a first bath (26) with a phosphoric acid aqueous solution, wherein wire (3) is cleaned by ultrasound. Also the method comprises a drying stage by evaporating the liquid from the surface of wire (3) between the cleaning and heating stages. The invention also proposes a machine for putting the method into practice.

IPC 8 full level
C23C 2/00 (2006.01); **C23C 2/02** (2006.01); **C23C 2/38** (2006.01)

CPC (source: EP ES US)
C23C 2/0038 (2022.08 - EP ES US); **C23C 2/0224** (2022.08 - EP ES US); **C23C 2/024** (2022.08 - EP ES US); **C23C 2/06** (2013.01 - ES); **C23C 2/38** (2013.01 - EP)

Cited by
CN112226713A; WO2014020188A1; WO2020099688A1; EP2725116A1; EP2725117A1; US10745792B2

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)
EP 2281912 A1 20110209; EP 2281912 B1 20120509; AT E557110 T1 20120515; ES 2338204 A1 20100504; ES 2338204 B1 20110608

DOCDB simple family (application)
EP 10170263 A 20100721; AT 10170263 T 20100721; ES 200930568 A 20090806